FAA Air Traffic Organization Program Management Organization (PMO) and Program Control

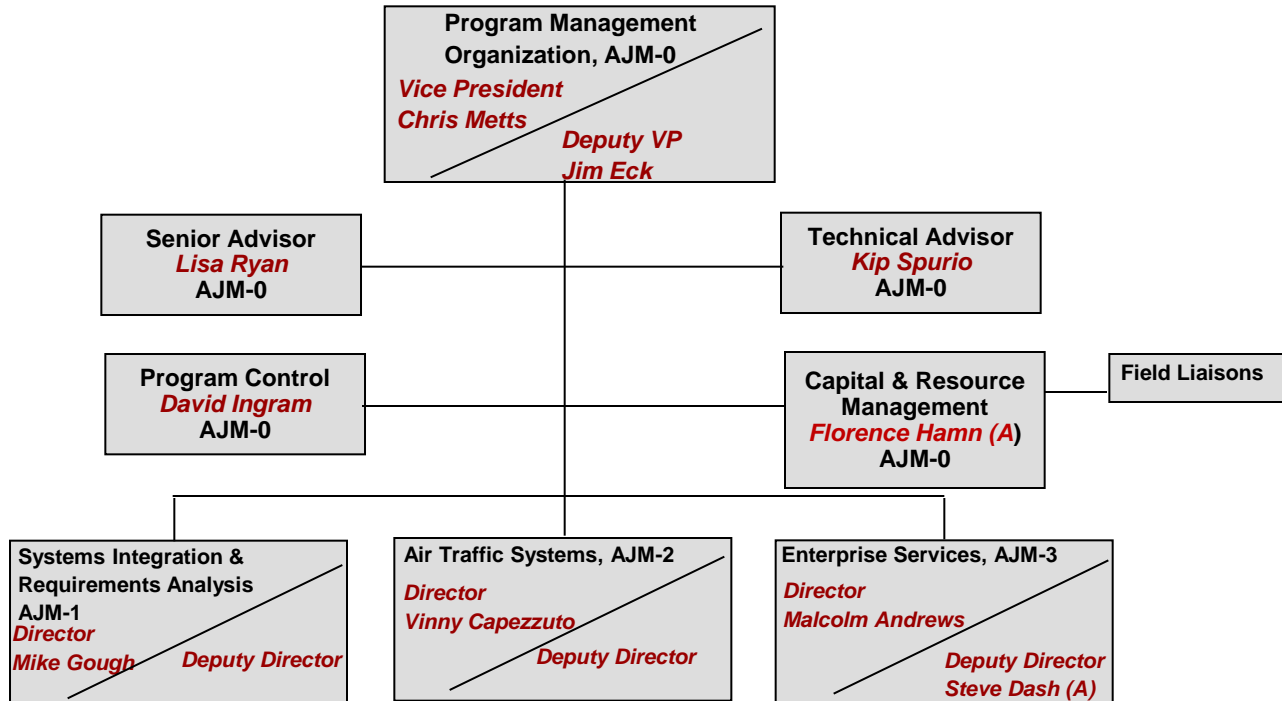**Federal Aviation Administration**

V & V Summit
Date: October 11, 2012

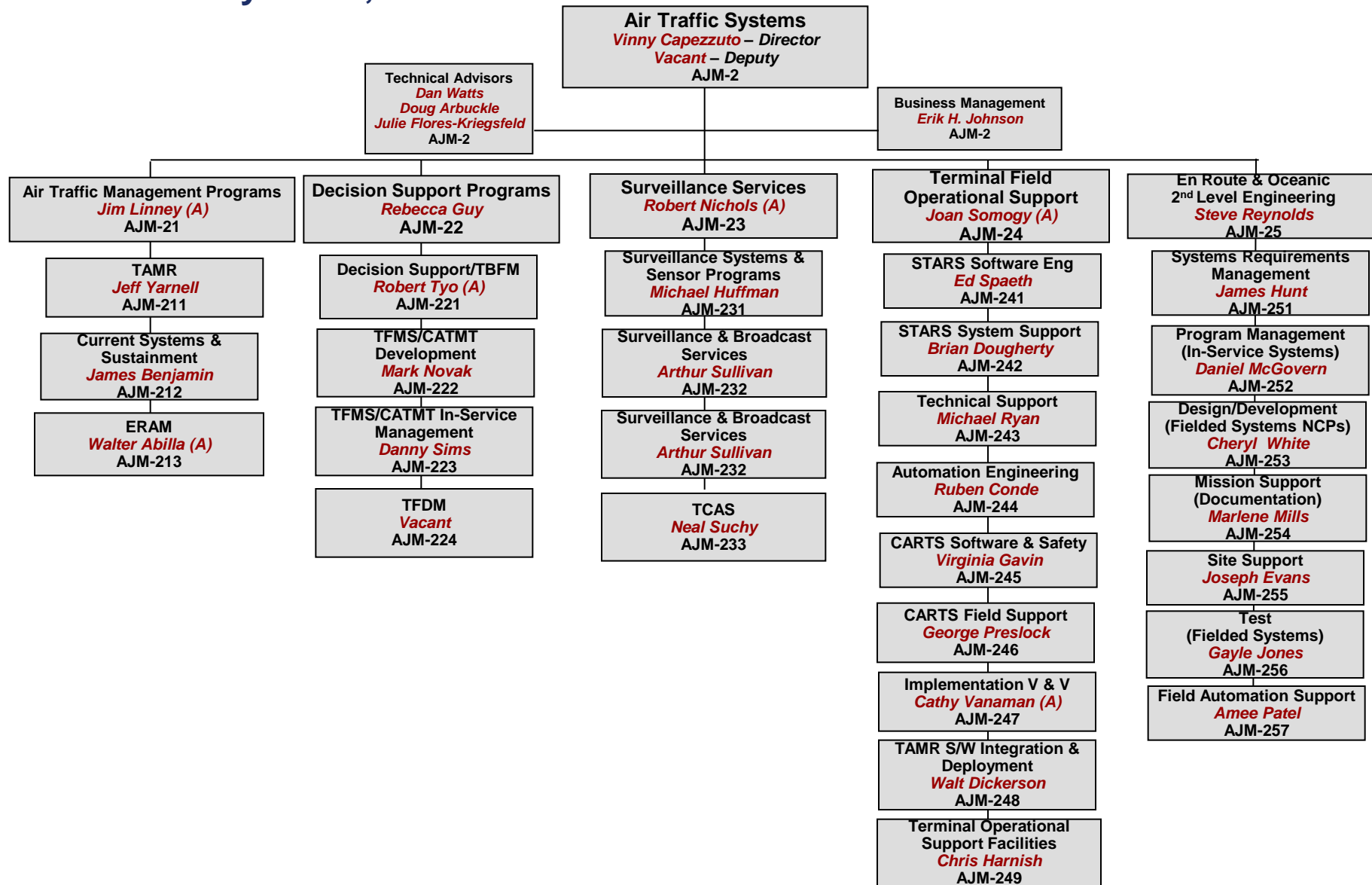# FAA's ATO Program Management Organization

- **Virtual stand up January 2012**

- **Official stand up May 2012**

- **Created from 4 Program Ops Organizations and 2 additional Program Offices from 6 Operationally focused organizations**

- **100+ Programs**

Program Management Organization, AJM-0

```
                    ┌─────────────────────────────┐
                    │  Program Management         │
                    │  Organization, AJM-0        │
                    │  Vice President             │
                    │  Chris Metts                │
                    │           Deputy VP         │
                    │           Jim Eck           │
                    └─────────────────────────────┘
```

Program Management Organization, AJM-0
Vice President
Chris Metts
Deputy VP
Jim Eck

Senior Advisor
Lisa Ryan
AJM-0

Technical Advisor
Kip Spurio
AJM-0

Program Control
David Ingram
AJM-0

Capital & Resource Management
Florence Hamn (A)
AJM-0

Field Liaisons

Systems Integration & Requirements Analysis AJM-1
Director
Mike Gough
Deputy Director

Air Traffic Systems, AJM-2
Director
Vinny Capezzuto
Deputy Director

Enterprise Services, AJM-3
Director
Malcolm Andrews
Deputy Director
Steve Dash (A)

April 26, 2012

Air Traffic Systems, AJM-2

Air Traffic Systems
Vinny Capezzuto – Director
Vacant – Deputy
AJM-2

Technical Advisors
Dan Watts
Doug Arbuckle
Julie Flores-Kriegsfeld
AJM-2

Business Management
Erik H. Johnson
AJM-2

Air Traffic Management Programs
Jim Linney (A)
AJM-21

- **TAMR**
  Jeff Yarnell
  AJM-211
- **Current Systems & Sustainment**
  James Benjamin
  AJM-212
- **ERAM**
  Walter Abilla (A)
  AJM-213

Decision Support Programs
Rebecca Guy
AJM-22

- **Decision Support/TBFM**
  Robert Tyo (A)
  AJM-221
- **TFMS/CATMT Development**
  Mark Novak
  AJM-222
- **TFMS/CATMT In-Service Management**
  Danny Sims
  AJM-223
- **TFDM**
  Vacant
  AJM-224

Surveillance Services
Robert Nichols (A)
AJM-23

- **Surveillance Systems & Sensor Programs**
  Michael Huffman
  AJM-231
- **Surveillance & Broadcast Services**
  Arthur Sullivan
  AJM-232
- **Surveillance & Broadcast Services**
  Arthur Sullivan
  AJM-232
- **TCAS**
  Neal Suchy
  AJM-233

Terminal Field Operational Support
Joan Somogy (A)
AJM-24

- **STARS Software Eng**
  Ed Spaeth
  AJM-241
- **STARS System Support**
  Brian Dougherty
  AJM-242
- **Technical Support**
  Michael Ryan
  AJM-243
- **Automation Engineering**
  Ruben Conde
  AJM-244
- **CARTS Software & Safety**
  Virginia Gavin
  AJM-245
- **CARTS Field Support**
  George Preslock
  AJM-246
- **Implementation V & V**
  Cathy Vanaman (A)
  AJM-247
- **TAMR S/W Integration & Deployment**
  Walt Dickerson
  AJM-248
- **Terminal Operational Support Facilities**
  Chris Harnish
  AJM-249

En Route & Oceanic 2nd Level Engineering
Steve Reynolds
AJM-25

- **Systems Requirements Management**
  James Hunt
  AJM-251
- **Program Management (In-Service Systems)**
  Daniel McGovern
  AJM-252
- **Design/Development (Fielded Systems NCPs)**
  Cheryl White
  AJM-253
- **Mission Support (Documentation)**
  Marlene Mills
  AJM-254
- **Site Support**
  Joseph Evans
  AJM-255
- **Test (Fielded Systems)**
  Gayle Jones
  AJM-256
- **Field Automation Support**
  Amee Patel
  AJM-257

Air Traffic Systems Programs

AJM21 Air Traffic Management Systems

- En Route Automation Modernization (ERAM)
- En Route Automation Modernization (ERAM) - Post Release 3
- En Route Communications Gateway (ECG)
- Air Traffic Management (ATM)
- Oceanic Automation System
- STARS (TAMR Phase 1)
- Terminal Automation Modernization/Replacement Program (TAMR Phase 3)
- Terminal Automation Program
- Integrated Display System (IDS)

AJM23 Surveillance Systems

- ADS -B NAS Wide Implementation
- Colorado ADS-B/WAM Cost Share
- Next Generation Surveillance and Weather Radar Capability (NSWRC)
- Air Traffic Control En Route Radar Facilities Improvements
- ATC Beacon Interrogator (ATCBI) - Sustainment
- Airport Surface Detection Equipment - Model X (ASDE-X)
- Airport Surveillance Radar (ASR-9)
- Terminal Digital Radar (ASR-11)
- Runway Status Lights
- Mode S Service Life Extension Program (SLEP)
- Surveillance Interface Modernization
- Precision Runway Monitor Alternate (PRMA)
- TCAS

AJM-22   Decision Support Programs

- Collaborative Air Traffic Management Technologies - WP2 (CAT
- TBFM
- Traffic Flow Management Syatem (TFMS)
- Tactical Flow Time Based Flow Management
- Tower Flight Data Manager (TFDM)
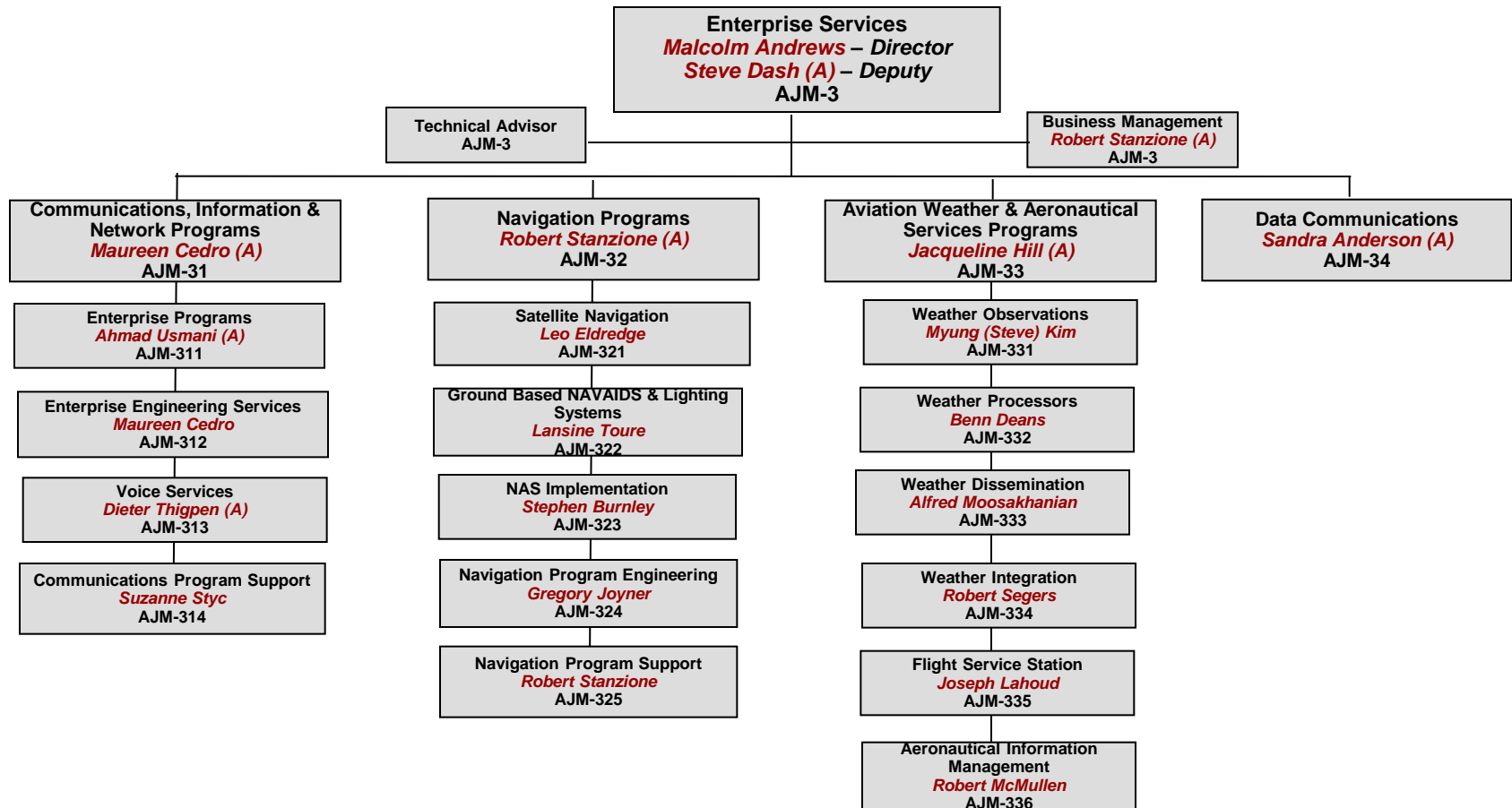
Air Traffic Systems Programs (continued)

AJM24 Terminal Field Operational Support

- Common ARTS (IIE, IIE)
- STARS (TAMR Phase 1)
- Electronic Flight Strip Transfer System
- Advanced Electronic Flight Strip
- Aspen Video Surveillance Advisory System
- DBRITE Digital Bright Radar Indicator Tower
- SimFast
- Count Ops
- Airport Resource Management Tool

AJM25 En Route and Oceanic 2nd Level Engineering

- Host Computer System (HCS)
- Display System Replacement/User Request Evaluation Tool (DSR/URET)
- En Route Automation Modernization (ERAM)
- En Route Information Display System (ERIDS)
- Micro processor En Route Automated Radar Tracking System (MEARTS) *
- Enhanced Backup Surveillance (EBUS)
- En Route Communication Gateway (ECG)
- Host Interface Device (HID) NAS Local Area Networks (LAN) (HNL)
- Flight Data Input Output (FDIO)
- Aeronautical Radio, Inc. (ARINC)
- Advanced Technologies and Oceanic Procedures (ATOP)
- Off Shore Flight Data Processor (OFDPS)
- Dynamic Oceanic Tracking System (DOTS)
- Flight Data Processing (FDP 2000)

Enterprise Services, AJM-3

Enterprise Services
Malcolm Andrews – Director
Steve Dash (A) – Deputy
AJM-3

Technical Advisor
AJM-3

Business Management
Robert Stanzione (A)
AJM-3

Communications, Information & Network Programs
Maureen Cedro (A)
AJM-31

Navigation Programs
Robert Stanzione (A)
AJM-32

Aviation Weather & Aeronautical Services Programs
Jacqueline Hill (A)
AJM-33

Data Communications
Sandra Anderson (A)
AJM-34

Enterprise Programs
Ahmad Usmani (A)
AJM-311

Satellite Navigation
Leo Eldredge
AJM-321

Weather Observations
Myung (Steve) Kim
AJM-331

Enterprise Engineering Services
Maureen Cedro
AJM-312

Ground Based NAVAIDS & Lighting Systems
Lansine Toure
AJM-322

Weather Processors
Benn Deans
AJM-332

Voice Services
Dieter Thigpen (A)
AJM-313

NAS Implementation
Stephen Burnley
AJM-323

Weather Dissemination
Alfred Moosakhanian
AJM-333

Communications Program Support
Suzanne Styc
AJM-314

Navigation Program Engineering
Gregory Joyner
AJM-324

Weather Integration
Robert Segers
AJM-334

Navigation Program Support
Robert Stanzione
AJM-325

Flight Service Station
Joseph Lahoud
AJM-335

Aeronautical Information Management
Robert McMullen
AJM-336

Enterprise Services Programs

AJM31 Communications, Information, and Network Programs

- FAA Telecommunications Infrastructure
- FAA Administrative Voice Enterprise Services (FAVES)
- Air/Ground Communications Infrastructure
- Voice Switching and Control System (VSCS)
- NEXCOM
- Terminal Voice Switch Replacement (TVSR)
- National Airspace System Voice Switch (NVS)
- Voice Recorder Replacement Program (VRRP)
- Airport Cable Loop Systems
- Alaskan Satellite Telecommunications Infrastructure (ASTI)
- System-Wide Information Management

AJM32 Navigation Programs

- VOR/DME
- Instrument Landing System (ILS) - Establish
- Wide Area Augmentation System (WAAS) for GPS
- Runway Visual Range (RVR)
- Approach Lighting System Improvement Program (ALSIP)
- Distance Measuring Equipment (DME)
- Visual NAVAIDS - Establish/Expand
- Navigation and Landing Aids - Service Life Extension Program (SLEP)
- VASI Replacement - Replace with Precision Approach Path Indicator
- GPS Civil Requirements
- Runway Safety Areas - Navigational Mitigation
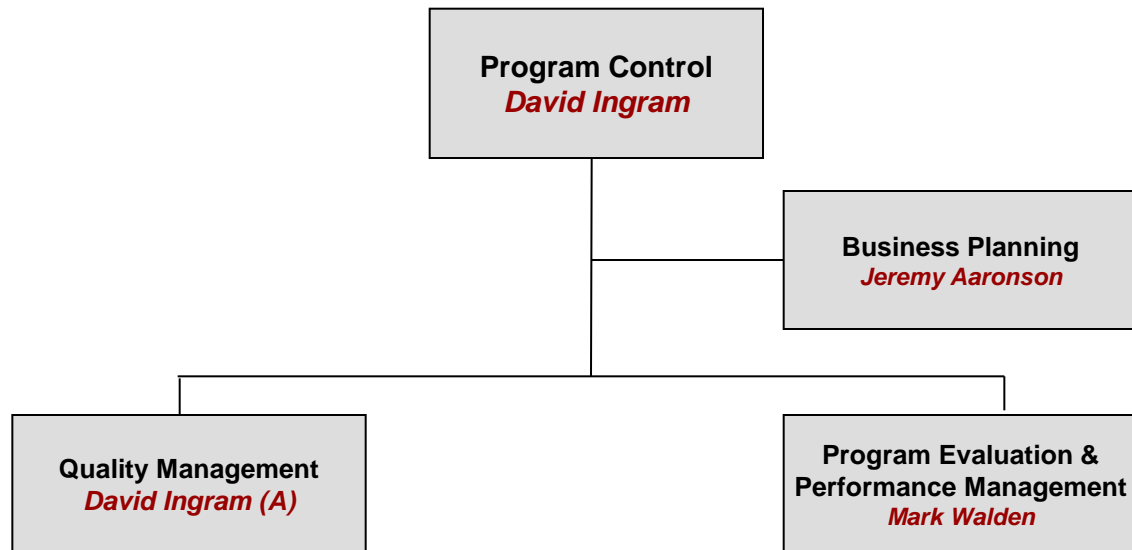
Enterprise Services Programs (Continued)

AJM33 Aviation Weather & Aeronautical Services Programs

- Common Support Services Phase 1 Weather (CSS-Wx)
- NextGen Wx Processor (NWP)
- Next Generation Weather Radar (NEXRAD) - Provide
- Windshear Detection Service
- Weather and Radar Processor (WARP)
- Terminal Doppler Weather Radar (TDWR) - Provide
- Integrated Terminal Weather System (ITWS)
- ASWON tech Refresh
- Automated Surface Observing System (ASOS)
- Future Flight Service Program
- Aeronautical Information Management Program
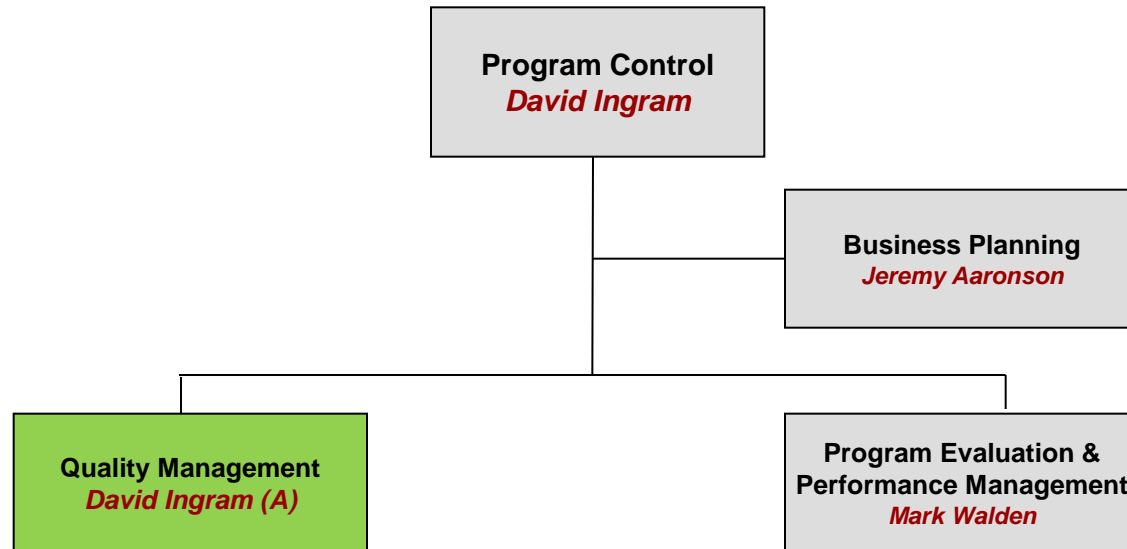
AJM34 Data Communications
- Data Communications

PMO Program Control

Program Control
David Ingram

Business Planning
Jeremy Aaronson

Quality Management
David Ingram (A)

**Program Evaluation &
Performance Management**
Mark Walden

PMO 2013 Goals and Initiatives

- **Organizational Alignment and Leadership**
  - We are commitment to process improvement efforts and will assess programs relative to best practices

- **Policies and Processes**
  - Develop a PMO Strategic Plan and ensure alignment with ATO's Vision for 2013, STIs, and IPPs

- **Human Capital**
  - We are focused on the Program Management professions by leading improvement efforts and skill development, with a special focus on leadership development.
  - We will develop a PMO strategic staffing plan

- **Information Management & Stewardship**
  - We will analyze program management toolsets and seek standardization where it makes sense
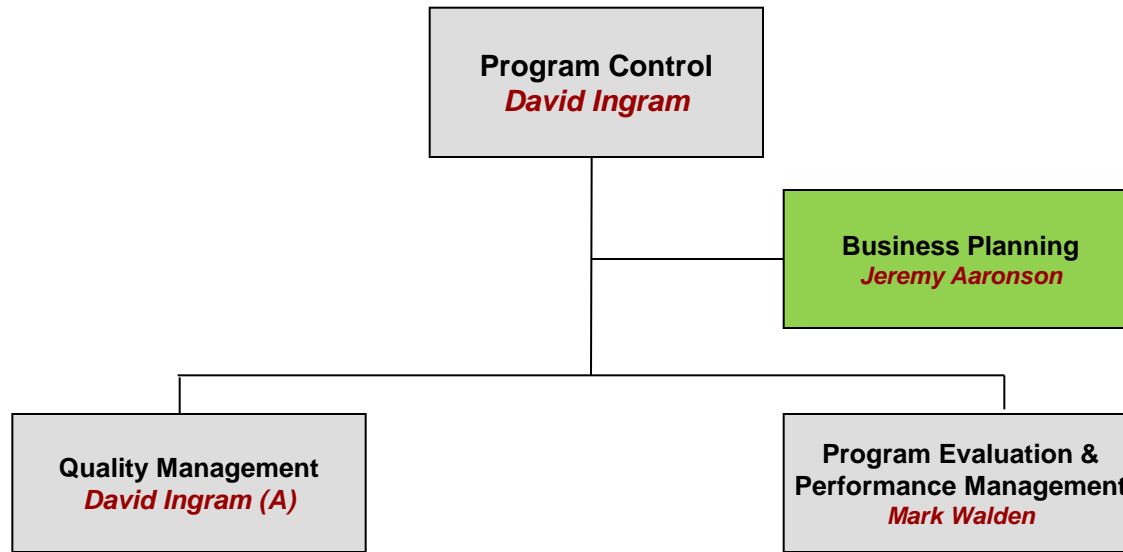
PMO Program Control

```
                    ┌─────────────────────┐
                    │  Program Control    │
                    │  David Ingram       │
                    └──────────┬──────────┘
                               │          ┌─────────────────────┐
                               ├──────────│  Business Planning  │
                               │          │  Jeremy Aaronson    │
                               │          └─────────────────────┘
              ┌────────────────┴────────────────┐
    ┌─────────────────────┐         ┌─────────────────────────────┐
    │  Quality Management │         │  Program Evaluation &       │
    │  David Ingram (A)   │         │  Performance Management     │
    │                     │         │  Mark Walden                │
    └─────────────────────┘         └─────────────────────────────┘
```

Quality Management

- Policy, Planning and Assessments
- PMO Standard Operating Procedures
- Best Practices (Acquisition Practices)
- IG/GAO Coordination
- Document Control

PMO Program Control

Program Control
David Ingram

Business Planning
Jeremy Aaronson

Quality Management
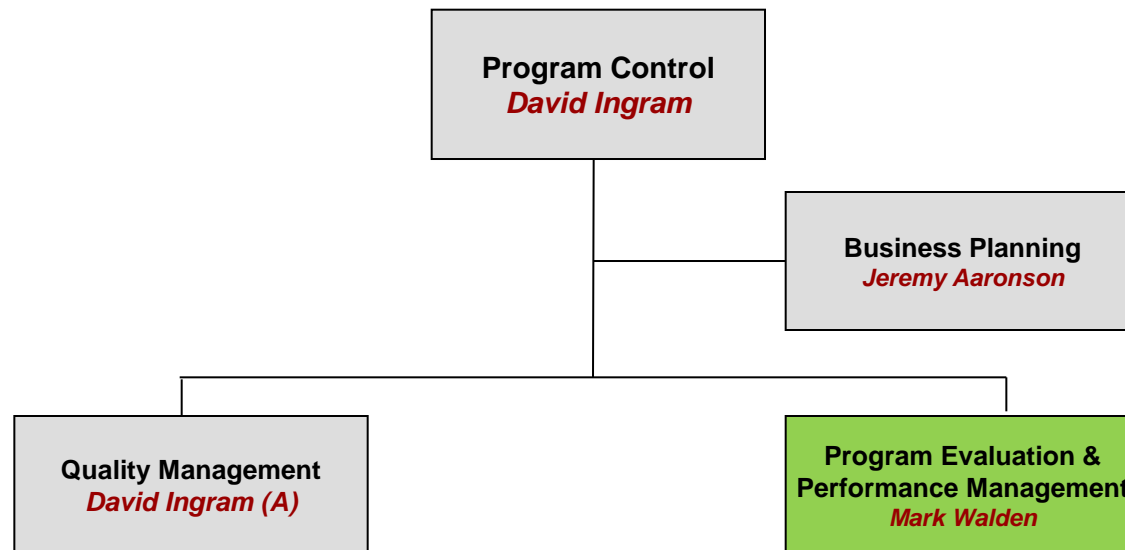*David Ingram (A)*

Program Evaluation & Performance Management
Mark Walden

Business Planning

- Business Plan
- Strategic Plan
- Planning Integration
- Operations Review Board Support

PMO Program Control

```
┌─────────────────────┐
│   Program Control   │
│   David Ingram      │
└─────────────────────┘
           │
           │        ┌─────────────────────┐
           │────────│  Business Planning  │
           │        │  Jeremy Aaronson    │
           │        └─────────────────────┘
           │
    ┌──────┴────────────────────────┐
    │                               │
┌────────────────────┐    ┌──────────────────────────┐
│ Quality Management │    │ Program Evaluation &     │
│ David Ingram (A)   │    │ Performance Management   │
│                    │    │ Mark Walden              │
└────────────────────┘    └──────────────────────────┘
```

Program Evaluation and Performance Management

- Goals, Metrics, Analyses
- Program Reviews and Reporting
- Post Implementation Review Support
- Investment Decision Support/Baseline Management Oversight
- PM Toolsets and Corporate Workplan Integration
- EVM Council Support
- Stakeholder Coordination
- F&E Budget Formulation Support

Ongoing Program Control Initiatives

- Executive Level Program Reviews

- Weekly Metrics reviews with key stakeholder

- Measurement and Analysis Working Group

- Internal Program Health Assessments

PMO Program Control Focus areas for FY13

- **Quality Management -** Quality is not something that we say, or something that "happens", it is something we commit ourselves to

- **Business Planning -** Proper planning and alignment to shared goals and objectives means we can deliver on our commitments

- **Measurement and Analysis –** Transparency provides the framework for open and honest communication which then helps us overcome any challenges that arise, and the **WILL** arise.

Backup

Systems Integration & Requirements Analysis, AJM-1

Systems Integration & Requirements Analysis
AJM-1
Mike Gough - Director
Vacant - Deputy

Technical Advisor
Rowena Mendez

Business Management
Emerson 'Bud' Morgan

Specialty Engineering & Risk Management
AJM-11
Gordon M. Bateman

Engineering Analysis
AJM-12
Shirley Burgess

Portfolio Systems, Planning & Integration
AJM-13
Joseph Pino (A)

Risk Management, Security & Safety
AJM-111
Edgar Calderon

Emerging Systems
AJM-121
Jeannie Frazier-Milton (A)

Architecture & Interface Management
AJM-131
Kevin Grimm

RMA, Logistics, Human Factors
AJM-112
Gary Burke

Current Systems
AJM-122
Carl Stokes

Cross Domain Planning & Integration AJM-132
Joseph Pino (?)

Operations & Portfolio Planning & Integration
AJM-133
John McCarron